

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P70854WO00	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/GB2005/000476	International filing date (day/month/year) 11/02/2005	(Earliest) Priority Date (day/month/year) 17/02/2004
Applicant KRAFT FOODS R&D, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☒ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1b

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-25,28-33,36-44,46-51

An insert containing ingredients for use in a beverage preparation machine.

2. claims: 26,27,34,35,45

An insert comprising coding means for controlling a beverage preparation machine.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An insert (400) for use in a beverage preparation machine (201) of a type comprising a brew head (250) suitable for receiving a rigid or semi-rigid cartridge (1). The brew head (250) comprises an upwardly directed inlet (253) for supplying water to the brew head (250) and a downwardly directed outlet (254) for outflow of beverage produced by the machine (201), the insert comprises an upper part (401), a lower part (402) and sealing means (403), the upper (401) and lower (402) parts being moveable between an open configuration in which a quantity of beverage ingredients may be loaded into the insert (400) and a closed configuration in which the upper (401) and lower (402) parts are sealed together by the sealing means (403) to define therebetween a brewing volume containing, in use, the quantity of beverage ingredients, the lower part passes upwardly through the inlet (405) of the insert (400) into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet (404) of the insert to flow out of the outlet (254) of the brew head (250).

A. CLASSIFICATION OF SUBJECT MATTER
A47J31/06 A47J31/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A47J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 762 987 A (PLEISCH JEAN-PIERRE ET AL) 9 June 1998 (1998-06-09)	1-15, 18-25, 28-30, 36-42, 44,46-51
Y	figures 2,4,6,10-12 column 1, line 53 - line 58 column 9, line 22 - line 27 column 9, line 33 - line 44 column 9, line 53 - line 57 column 11, line 24 - line 39 column 11, line 40 - line 52 column 12, line 7 - line 10 ----- -/--	16,17, 26,27, 31-35, 43,45

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

28 November 2005

Date of mailing of the international search report

08. FEB. 2006

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NL 1 020 835 C (LEE DE NV SARA) 15 December 2003 (2003-12-15) abstract figure 2C -----	16,17
Y	DE 201 21 494 U (EUGSTER FRISMAG AG ROMANSHORN ;MAHLICH GOTTHARD (DE)) 17 October 2002 (2002-10-17) abstract page 4, line 32 - page 5, line 2 -----	26,27, 34,35,45
Y	US 5 794 519 A (FISCHER DANIEL) 18 August 1998 (1998-08-18) abstract figure 5 -----	31-33,43
A	US 2 243 895 A (BROWN WILLIAM F) 3 June 1941 (1941-06-03) figures 7,8 page 1, column 1, line 37 - line 46 page 2, column 2, line 41 - line 60 page 3, column 1, line 1 - line 9 -----	6-9,15, 16,23,50

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5762987	A	09-06-1998	US	5826492 A	27-10-1998
NL 1020835	C	15-12-2003	NONE		
DE 20121494	U	17-10-2002	NONE		
US 5794519	A	18-08-1998	AU	3566095 A	09-04-1996
			DE	9415374 U1	02-03-1995
			EP	0730425 A1	11-09-1996
			ES	2134493 T3	01-10-1999
US 2243895	A	03-06-1941	NONE		